WETLAND DETERMINATION DATA FORM - Northcentral and Northeast Region

Project/Site: L3R City/County: Clearwater Sampling Date: 10/15/2014
Applicant/Owner: Enbridge State: MN Sampling Point: u-149n38w8-c1
Investigator(s): RAJ/BJC Section, Township, Range:
Landform (hillslope, terrace, etc.): Dip Local relief (concave, convex, none CC
Slope (%): 0 - 2% Lat.: 47.737845 Long.: -95.553533 Datum:
Soil Map Unit Name: 1878 NWI Classification: PEM/SS1C
Are climatic/hydrologic conditions of the site typical for this time of the year? ☑ (If no, explain in remarks)
Are vegetation ☑, soil ☑, or hydrology ☑ significantly disturbed? Are "normal circumstances" present? ☐
Are vegetation ☐, soil ☐, or hydrology ☐ naturally problematic?
(If needed, explain any answers in remarks)

SUMMARY OF FINDINGS

Hydrophytic vegetation present?	N	**Is the sampled area within a wetland?**	N
Hydric soil present?	N		
Indicators of wetland hydrology present?	N	If yes, optional wetland site ID:	

Remarks: (Explain alternative procedures here or in a separate report.)
The sample point is in a cultivated field, planted to soybeans this year but now disked. The point is in an NWI wetland, but at present, the area does not appear to have characteristics of a wetland. The vegetation is disturbed from tillage and herbicide use. The soils are disturbed from tillage. The hydrology has likely been altered by tillage and the planting of crops. Soybean stubble indicates the area was planted through this year and produced soybeans. Organic soils are present, but they are likely just a remnant of past conditions.

HYDROLOGY

Primary Indicators (minimum of one is required; check all that apply)
- ☐ Surface Water (A1)
- ☐ High Water Table (A2)
- ☐ Saturation (A3)
- ☐ Water Marks (B1)
- ☐ Sediment Deposits (B2)
- ☐ Drift Deposits (B3)
- ☐ Algal Mat or Crust (B4)
- ☐ Iron Deposits (B5)
- ☐ Inundation Visible on Aerial Imagery (B7)
- ☐ Sparsely Vegetated Concave Surface (B8)
- ☐ Water-Stained Leaves (B9)
- ☐ Aquatic Fauna (B13)
- ☐ Marl Deposits (B15)
- ☐ Hydrogen Sulfide Odor (C1)
- ☐ Oxidized Rhizospheres on Living Roots (C3)
- ☐ Presence of Reduced Iron (C4)
- ☐ Recent Iron Reduction in Tilled Soils (C6)
- ☐ Thin Muck Surface (C7)
- ☐ Other (Explain in Remarks)

Secondary Indicators (minimum of two required)
- ☐ Surface Soil Cracks (B6)
- ☐ Drainage Patterns (B10)
- ☐ Moss Trim Lines (B16)
- ☐ Dry-Season Water Table (C2)
- ☐ Crayfish Burrows (C8)
- ☐ Saturation Visible on Aerial Imagery (C9)
- ☐ Stunted or Stressed Plants (D1)
- ☑ Geomorphic Position (D2)
- ☐ Shallow Aquitard (D3)
- ☐ Microtopographic Relief (D4)
- ☐ FAC-Neutral Test (D5)

Field Observations:

Surface water present?	Yes ☐	Depth (inches):	
Water table present?	Yes ☐	Depth (inches):	
Saturation present? (includes capillary fringe)	Yes ☐	Depth (inches):	

Indicators of wetland hydrology present? N

Describe recorded data (stream gauge, monitoring well, aerial photos, previous inspections), if available:

Remarks:
The sample point is in a slight depression, otherwise no indicators of wetland hydrology are present.